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NOTICE OF ALLOWANCE AND FEE(S) DUE

23911

7590

09/19/2008

CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300

EXAMINER					
MCMAHON, MARGUERITE J					
ART UNIT	PAPER NUMBER				

3747

DATE MAILED: 09/19/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,952	07/11/2006	Peter Joppig	095309.57284US	4107

TITLE OF INVENTION: CONTROL OF AN ELECTRICALLY HEATED PRE-HEATING DEVICE FOR COLD-STARTING INTERNAL

COMBUSTION ENGINES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/19/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless correcte anintenance fee notificat	ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees wi condence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspo rate "FI	ondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)]	Note: A certificate of mailing can only be used for domestic mailings of t Fee(s) Transmittal. This certificate cannot be used for any other accompanyi papers. Each additional paper, such as an assignment or formal drawing, mu have its own certificate of mailing or transmission.					ther accompanying
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CROWELL & INTELLECTUA P.O. BOX 14300	L PROPERTY GR	OUP]	I here State addre trans	eby certify that this is Postal Service wi essed to the Mail mitted to the USPT	s Fee(s ith suf Stop 'O (57	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	deposit t class r above, ate indic	ted with the United mail in an envelope or being facsimile sated below.
WASHINGTON	, DC 20044-4300		ſ			`			(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONF	TRMATION NO.
10/564,952	07/11/2006	•	Peter Joppig		•	09	95309.57284US		4107
ITLE OF INVENTIC OMBUSTION ENGINI		AN ELECTRICALLY	HEATED PRE-HEA	TIN	G DEVICE FOI	R CO	LD-STARTING IN	ΓERNA	L
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740		12/19/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
MCMAHON, M	ARGUERITE J	3747	123-556000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC	ess an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON T ified below, no assignee eletion of this form is NO	data will appear on th T a substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR CO	OUNT	RY)		
lease check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	<u> </u>	Individual 🖵 Co	rporati	on or other private gro	up entit	y 🖵 Government
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_ ~ .	t <mark>us (from</mark> status indicated s SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMAI	I ENT	ГІТҮ status. See 37 СЕ	₹ ₽ 1 270	(a)(2)
OTE: The Issue Fee and	d Publication Fee (if requ	uired) will not be accepte tes Patent and Trademark	d from anyone other th	_	_				
Authorized Signature					Date				
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10/564,952	07/11/2006	Peter Joppig	095309.57284US	4107	
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CROWELL & MORING LLP			MCMAHON, MARGUERITE J		
	PROPERTY GROUP		ART UNIT	PAPER NUMBER	
P.O. BOX 14300 WASHINGTON, DC 20044-4300			3747 DATE MAILED: 09/19/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 374 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 374 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/564,952	JOPPIG ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Marguerite J. McMahon	3747		
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject 3 and MPEP 1308.	application. If not included on will be mailed in due course. THIS		
1. This communication is responsive to initial filing dated 1/18	<u>8/06</u> .			
2. The allowed claim(s) is/are <u>7-22</u> .				
 3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ly complying with the requirements		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 				
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the deposit o	son's Patent Drawing Review (PTo s Amendment / Comment or in the .84(c)) should be written on the draw the header according to 37 CFR 1.12 sit of BIOLOGICAL MATERIAL	e Office action of wings in the front (not the back) of 1(d) must be submitted. Note the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1/18/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material /Marguerite McMahon/ Primary Examiner, Art Unit 3747	5. Notice of Informal 6. Interview Summa Paper No./Mail D 7. Examiner's Amen 8. Examiner's Stater 9. Other	ry (PTO-413), Date		

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art fails to teach or fairly suggest the claimed invention as a whole including beginning a post-heating phase, in which the heating element is kept at a constant temperature by a relatively lower power, after the reference temperature has been reached and until the start-up phase, switching the heating element off in a first time period during the start-up phase, and switching the heating element on again in a second time period during the start-up phase in which the speed of the internal combustion engine is raised to the starting speed, in the context of a method for heating up the intake air of an internal combustion engine during a preglow phase or a start-up phase with at least one electrically heatable heating element in an intake line of the internal combustion engine, heating power being controlled by a control unit as a function of operating data of the internal combustion engine, comprising supplying the heating element with full current during the preglow phase until the heating element reaches its reference temperature...

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marguerite J. McMahon whose telephone number is 571-272-4848. The examiner can normally be reached on Monday-Wednesday and Friday, 10am-6:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Cronin can be reached on 571-272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marguerite McMahon Primary Examiner Art Unit 3747

/Marguerite McMahon/ Primary Examiner, Art Unit 3747